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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/772,041

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Mike S. Choi

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EXAMINER

NGUYEN, KIMNHUNG T

ART UNIT

PAPER NUMBER

2629

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/772,041	Applicant(s) CHOI ET AL.	
	Examiner KIMNHUNG NGUYEN	Art Unit 2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>12/15/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This application has been examined. The claims 1-20 are pending. The examination results are as following.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-3, 6-10 and 15-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Tamura et al. (US 2002/0057265).

As to claim 1, Tamura et al. disclose in fig. 8, an article comprising: a storage medium comprising machine-readable instructions stored thereon to: execute a software driver (see RAM 512) for a display codec (548), the software driver configured to work with different display codecs at different periods of time while using a default configuration of the software driver (see 0215); and transmit digital signals from the display codec to a display using the software driver (see circuit 508 every 1/15 and read every 1/60, see 0214).

As to claim 2, Tamura et al. disclose further wherein the software driver comprises machine readable instructions to recognize each of a plurality of displays (see display of 110, 512, 514, 516, fig. 8).

As to claim 3, Tamura et al. disclose further wherein the plurality of displays consist

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of digital displays selected from the group consisting of flat panel, LCD (liquid crystal display) (see fig. 8).

As to claim 6, Tamura et al. disclose further wherein the storage medium receives the digital signals from a wireless transmission device (542, fig. 8).

As to claim 7 is rejected as the same as claim 1.

As to claim 8, Tamura et al. disclose further wherein the software driver is part of a graphics controller (see controller 510) for communicating with the display codec.

As to claim 9, Tamura et al. disclose further wherein the display codec comprises a hardware portion (see display driver IC 100, fig. 5) that communicates with the software driver such that the graphics controller recognizes each of a plurality of different display codecs at different periods of time (see 0214).

As to claim 10, Tamura et al. disclose further, where the software driver (RAM) comprises a storage medium for the graphics controller known as a universal software driver.

As to claim 15 is rejected as the same as claim 1.

As to claim 16, Tamura et al. disclose further, the graphics controller (510) of claim 15 wherein the software driver comprises a universal software driver (see 0060-0068).

As to claim 17, Tamura et al. disclose the graphics controller (510) of claim 15 further comprising a storage medium for the software driver that communicates with a display codec, the software driver recognizing each of a plurality of display codecs (see 0214).

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As to claims 18 19 are rejected as the same as claim 17.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Tamura et al. (US 2002/0057265) in view of Swartz et al. (US 2005/0104899).

Tamura et al. do not disclose the digital signals from cable television outlet. Swartz et al. disclose a display system having the digital signals from cable television outlet (see 0026-0028). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the digital signals from cable television outlet as taught by Swartz et al. into the system of Tamura et al. for producing the claimed invention because this would any number and type of well-known digital formats, such as, JPEG, BMP, TIFF, BNC composite, serial digital, parallel digital, RGB, or consumer digital video (see 0027).

6. Claims 5, 11-14 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tamura et al. (US 2002/0057265) in view of Schulz et al. (US 2005/0155043).

As to claim 5, Tamura et al. do not disclose that wherein the storage medium receives the digital signals from a satellite. Tamura et al. disclose a communication interface from

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a storage medium such as a satellite transceiver (see 0042). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the storage medium such as a satellite transceiver as taught by Schulz et al. into the system of Tamura et al. for producing the claimed invention because this would provide the information to the user.

As to claim 11, Tamura et al. disclose in fig. 5, a system comprising a processor (CPU, see 0209); a memory coupled to the processor to support the processor operations; and the memory for network communications; a display (LCD 110) that communicatively couples with the processor through a display codec (548, fig. 8) to display images from image signals that are received at the system in a digital format; and a graphics controller (510) having a software driver (RAM 512) configured to work with different display codecs at different periods of time while using a default configuration of the software driver, the graphics controller being communicatively coupled to the processor (0215). However, Tamura et al. do not disclose an Ethernet card interoperating with the processor. Schulz et al. disclose in fig. 2, the processor comprises an Ethernet card (22, see 0006). It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the processor comprises an Ethernet card as taught by Schulz et al. into the system of Tamura et al. for producing the claimed invention because this would provide client-server system typically use a network card to communicate data to the server via a computer network (see 0006).

As to claim 12, Tamura et al. disclose further, wherein the software driver comprises a universal software driver ((see 0060-0068).

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As to claim 13, Tamura et al. disclose further wherein the display is a digital display.

As to claim 14, Tamura et al. disclose further wherein the display is selected from the group consisting of flat panel, LCD (liquid crystal display, see fig. 8).

As to claim 20, Tamura et al. do not disclose that wherein said emulating replacing the first one of the plurality of display codecs comprises replacing the first of the plurality of display codecs with an SDVO codec. It would have been obvious skill in the art to have the replacing display codecs with an SDVO codec to the claimed invention because Tamura et al. disclose a plurality of other display codecs (see fig. 8).

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIMNHUNG NGUYEN whose telephone number is (571)272-7698. The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on (571) 272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kimnhung Nguyen/
Examiner, Art Unit 2629
August 8, 2008

/Richard Hjerpe/

Supervisory Patent Examiner, Art Unit 2629